



Reverse DUO-FINE® Series Filter Cartridges

High Efficiency Compressed Air Coalescing Filter for Critical Applications

- Removes 99.99% of Oil Aerosols
- Removes 99.995% of 0.3 Micron (μm) Particulate
- Available in 4", 8", 10", 20", 30" or 40" Cartridge Lengths
- Stainless Steel Support Components Provide Long Service Life
- Meets U.S. Navy Specifications to Process Breathable Air
- Microfiberglass Filter Media Optimized for Air and Gas Coalescing Applications
- Quick Standard Delivery Times Minimize System Down Time

Product Specifications

Materials of Construction:

Filter Media: Microfiberglass filter media optimized for reverse flow compressed air and gas coalescing applications.

Support Material: Acrylic

Hardware: 304 Stainless Steel

Gaskets: Buna N, Fluoroelastomer, Silicone Elastomer, Nordel¹

Dimensions (nominal):

Outside Diameter: 2 $\frac{3}{8}$ " (6.6 cm)

Lengths: 4" (10.2 cm), 8" (20.3 cm), 10" (25.4 cm), 20" (50.8 cm), 30" (76.2 cm), 40" (102 cm)

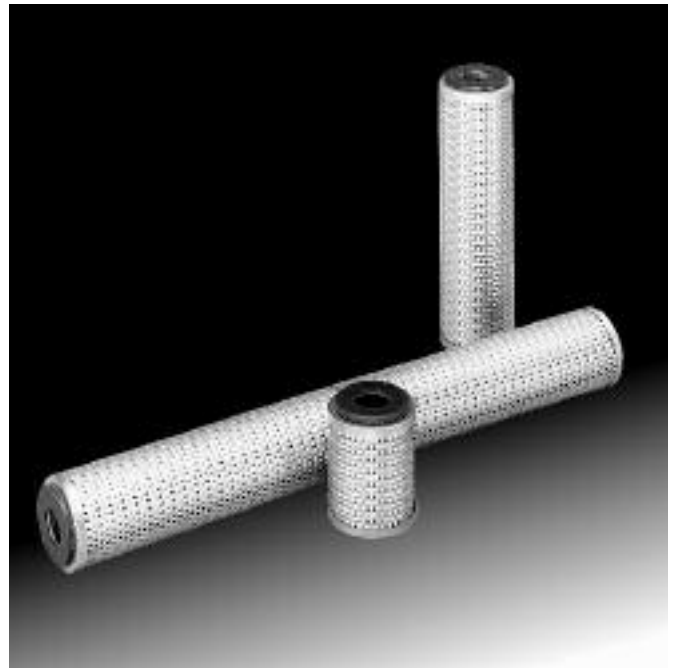
Performance Specifications

Maximum Operating Temperature:

250°F (121°C)

Chemical Compatibility:

Contact Technical Services for details.



Cartridge Designation	Maximum Recommended Air Flow (scfm) @ 100 psig (6.9 bar)	Recommended Differential Cartridge Pressure (psid)
Reverse Duo-Fine 4	24	3 (0.2 bard)
Reverse Duo-Fine 8	48	3 (0.2 bard)
Reverse Duo-Fine 10	60	3 (0.2 bard)
Reverse Duo-Fine 20	120	3 (0.2 bard)
Reverse Duo-Fine 30	180	3 (0.2 bard)
Reverse Duo-Fine 40	240	3 (0.2 bard)

¹ - Registered trademark of DuPont Dow Elastomers.

Product Applications

Instrument Air Systems

Protects pneumatic tools, instruments, valves and air cylinders from erosion, corrosion, or clogging caused by moisture or particulate contamination present in compressed air or gas systems.

Upstream of Dryers

Protects desiccant from fouling as a result of liquid or particulate contamination.

U.S. Navy Certification

Reverse Duo-Fine Series filter cartridges meet U.S. Navy specifications to process breathable air. Specification: # NAVSEAINST - 1056O.2A

How It Works

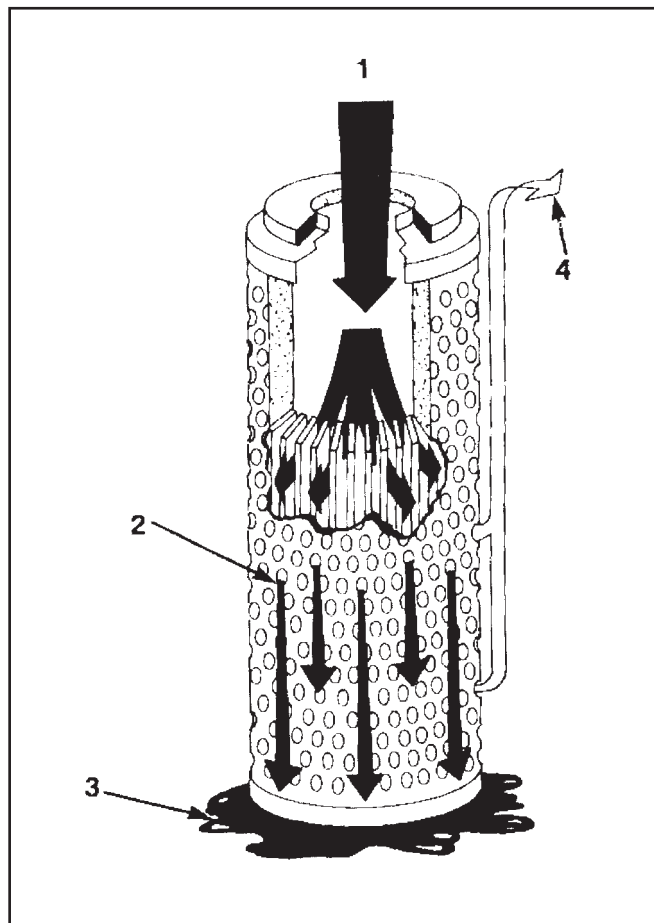
The Reverse Duo-Fine in operation:

1. Compressed air or gas enters the hollow inner core of the cartridge and flows outward through the extended area filter medium and perforated metal casing.
2. Airborne droplets are coalesced by the filter medium and subsequently concentrated on the filter medium's outer surface.
3. Gravity forces the coalesced liquid to the bottom of the filter housing where it can be easily drained.
4. The air or gas stream continues on virtually free of all oil and particulates.

Part Numbers/Ordering Information

Reverse Duo-Fine ● ◆ (e.g., Reverse Duo-Fine 10E)

Code ●	Cartridge Lengths (nominal)	Code ◆	Gasket/O-ring Materials
4	4"	Blank	Buna N
8	8"	E	Nordel
10	10"	S	Silicone
20	20"	V	Fluoroelastomer
30	30"		
40	40"		



NOTE: The filter must be installed in housings normally used for liquids or gas particulate removal in a reverse flow position, piping the gas stream in at the "outlet" port and out at the "inlet" port. This procedure reverses the gas flow direction in the filter housing.



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